

03500.017378

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of:)	
MASAHIKO KUBOTA ET AL.)	: Examiner: Geoffrey S. Mruk
Appln. No.: 10/613,992)	: Group Art Unit: 2853
Filed: July 8, 2003)	: Patent No.: 7,048,358 B2
For: LIQUID DISCHARGE HEAD AND)	: Issued: May 23, 2006
METHOD FOR MANUFACTURING)	
SUCH HEAD)	: December 12, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Attention: CERTIFICATE OF CORRECTION BRANCH

CERTIFICATE OF CORRECTION
UNDER RULES 322 AND 323

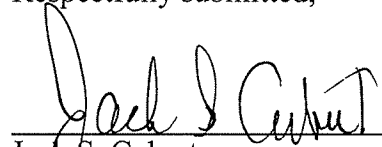
Sir:

It is respectfully requested that a Certificate of Correction be issued by the Patent and Trademark Office due to errors which appear in the printed patent as a result of Patent and Trademark Office mistakes, and mistakes of a clerical, typographical, or minor character, which were not the fault of the Patent and Trademark Office. A Certificate of Correction form (Form PTO-1050), in duplicate, is enclosed.

Accompanying this letter is a check for \$100.00 to cover the statutory fee for such Certificate of Correction.

Patentees' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jack S. Cubert", written over a horizontal line.

Jack S. Cubert
Attorney for Patentees
Registration No. 24,245

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3800
Facsimile: (212) 218-2200
DWP/JSC/klm

DC_MAIN 253956v1

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,048,358 B2

DATED : May 23, 2006

INVENTOR(S) : MASAHIKO KUBOTA ET AL.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE COVER PAGE

(Item 74), *Attorney, Agent or Firm*

"Fitzpatrick Cella Harper & Scinto" should read --Fitzpatrick, Cella, Harper & Scinto--.

(Item 57), ABSTRACT

"bulling" should read --bubbling--.

COLUMN 2

Line 16, "and constituting" should read --constitute--.

Line 37, "is flown" should read --is flowed--.

COLUMN 4

Line 19, "the adequate" should read --adequate--.

Line 56, "flown" should read --flowed--.

COLUMN 5

Line 18, "is graphs" should read --are graphs--.

COLUMN 6

Line 53, "act greatly" should read --are most effective--.

Lines 58, " $(\partial v / \partial t) + (v \cdot \Delta) = -\Delta(P/p) + (\mu/p)\Delta^2 v + f$ (Navie-Stokes)" should read
-- $(\partial v / \partial t) = (v \cdot \Delta) = -\Delta(P/p) + (\mu/p)\Delta^2 v + f$ (Navie-Stokes)--.

Line 61, "small adequately" should read --adequately small--.

COLUMN 7

Line 1, "In case" should read --In the case--.

Line 5, "Expressing" should read --Expressed--.

Line 6, "similar" should read --similarly--.

Line 17, "intertance." should read inertance.--.

MAILING ADDRESS OF SENDER:

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3800
(212) 218-2100 - Telephone
(212) 218-2200 - Facsimile

PATENT NO. 7,048,358 B2

No. of add'l. copies
@ 30¢ per page



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,048,358 B2

DATED : May 23, 2006

INVENTOR(S) : MASAHIKO KUBOTA ET AL.

Page 2 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Line 51, "stokes" should be deleted.

Line 59, "flown" should read --flowed--.

COLUMN 8

Line 26, "be is" should read --be--.

Line 32, "are arranged" should read --be arranged--.

COLUMN 10

Line 52, "flown" should read --flowed--.

COLUMN 12

Line 53, "(MMA-MAA))" should read --(MMA-MAA)--.

COLUMN 13

Line 63, "as less" should read --or as little--.

COLUMN 14

Line 42, "atmosphere" should read --atmosphere,--.

COLUMN 15

Line 63, "57 has" should read --57 having--.

Line 65, "heater 20" should read --heater 20,--.

COLUMN 17

Line 3, "straightly" should read --straight--.

Line 9, "as less" should read --or as little--.

Staple
Here
Only!

PRINTER'S TRIM LINE

MAILING ADDRESS OF SENDER:

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3800
(212) 218-2100 - Telephone
(212) 218-2200 - Facsimile

PATENT NO. 7,048,358 B2

No. of add'l. copies
@ 30¢ per page



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,048,358 B2

DATED : May 23, 2006

INVENTOR(S) : MASAHIKO KUBOTA ET AL.

Page 3 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 18

Line 16, "the substantially" should read --substantially--.

Line 48, "is formed" should read --are formed--.

COLUMN 19

Line 3, "30 μm " should read --30 μm --.

COLUMN 20

Line 61, "is hard to be" should read --made hard--.

COLUMN 21

Line 16, "flown" should read --flowed--.

COLUMN 22

Line 28, "flown" should read --flowed--.

Line 40, "flown" should read --flowed--.

COLUMN 23

Line 37, "discharged" should read --be discharged--.

COLUMN 27

Line 9, "A ink" should read --An ink--.

Staple
Here
Only!

PRINTER'S TRIM LINE

MAILING ADDRESS OF SENDER:

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3800
(212) 218-2100 - Telephone
(212) 218-2200 - Facsimile

PATENT NO. 7,048,358 B2

No. of add'l. copies
@ 30¢ per page

